Performance Data Sheet

HGA5479BXV

General Information

Model	HGA5479BXV	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	265V ~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	2430	2390					
	Watts	507	535					
	Amps	1.99	2.23					
	Lb/h	31.7	31.0					
-10	Btu/h	2940	2830	2720				
	Watts	518	549	581				
	Amps	2.03	2.28	2.54				
	Lb/h	37.2	36.3	35.4				
-5	Btu/h	3490	3330	3160	2990			
	Watts	526	561	597	633			
	Amps	2.07	2.32	2.57	2.83			
	Lb/h	43.4	42.2	41.0	39.8			
0	Btu/h	4100	3870	3640	3410	3180		
	Watts	532	571	610	650	690		
	Amps	2.09	2.34	2.60	2.86	3.12		
	Lb/h	50.1	48.7	47.2	45.8	44.2		
5	Btu/h	4760	4470	4180	3880	3590		
	Watts	535	578	621	664	708		
	Amps	2.11	2.36	2.61	2.87	3.13		
	Lb/h	57.3	55.7	54.0	52.3	50.5		
10	Btu/h	5470	5110	4760	4410	4050	3700	3340
	Watts	536	583	630	677	724	773	821
	Amps	2.12	2.37	2.62	2.88	3.14	3.40	3.68
	Lb/h	65.1	63.2	61.3	59.3	57.3	55.3	53.1
15	Btu/h	6220	5810	5400	4980	4570	4150	3730
	Watts	535	585	636	687	738	790	843
	Amps	2.13	2.38	2.63	2.88	3.14	3.40	3.67
	Lb/h	73.4	71.3	69.1	66.9	64.7	62.4	60.0
20	Btu/h	7020	6550	6080	5600	5130	4650	4170
	Watts	532	586	640	695	750	805	861
	Amps	2.15	2.39	2.63	2.88	3.13	3.39	3.66
	Lb/h	82.2	79.9	77.5	75.1	72.6	70.0	67.4

25	Btu/h	7870	7340	6800	6270	5730	5200	4660
	Watts	526	584	642	700	759	818	878
	Amps	2.17	2.40	2.64	2.88	3.13	3.38	3.64
	Lb/h	91.5	88.9	86.3	83.7	81.0	78.2	75.4
30	Btu/h	8760	8170	7580	6980	6390	5790	5190
	Watts	519	580	642	704	766	829	893
	Amps	2.20	2.42	2.65	2.89	3.13	3.38	3.63
	Lb/h	101	98.4	95.6	92.7	89.8	86.8	83.8
35	Btu/h	9690	9040	8390	7740	7090	6430	5780
	Watts	509	574	640	705	772	838	905
	Amps	2.24	2.46	2.68	2.90	3.13	3.37	3.62
	Lb/h	111	108	105	102	99.2	96.0	92.7
40	Btu/h	10700	9960	9250	8550	7830	7120	6400
	Watts	498	566	636	705	775	845	916
	Amps	2.30	2.51	2.71	2.93	3.15	3.38	3.62
	Lb/h	122	119	116	112	109	106	102
45	Btu/h	11700	10900	10200	9390	8620	7850	7080
	Watts	484	557	629	703	776	850	924
	Amps	2.38	2.57	2.77	2.97	3.18	3.40	3.63
	Lb/h	133	130	126	123	119	116	112
50	Btu/h	12700	11900	11100	10300	9450	8620	7790
	Watts	469	545	621	698	775	853	931
	Amps	2.49	2.66	2.84	3.03	3.23	3.43	3.65
	Lb/h	144	141	137	133	130	126	122
55	Btu/h	13800	13000	12100	11200	10300	9430	8550
	Watts	452	531	612	692	773	854	936
	Amps	2.62	2.78	2.94	3.12	3.30	3.49	3.69
	Lb/h	156	152	148	145	141	137	133

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.933248E+03	2.266026E+02	1.048715E-01	6.071703E+01
C2	2.238224E+02	-5.217110E+00	7.164411E-03	1.791719E+00
C3	-2.292390E+01	3.830445E+00	2.497360E-02	-1.347033E-01
C4	9.203849E-01	-4.596208E-02	9.974561E-05	9.756036E-03
C5	-1.205216E+00	7.769611E-02	-7.541644E-05	-4.831871E-03
C6	2.238323E-03	-1.040905E-03	-8.122578E-06	1.040573E-04
C7	-1.480125E-03	7.156208E-05	4.480230E-06	-2.527438E-05
C8	9.685237E-04	-1.460273E-05	-3.016325E-06	1.497652E-05
C9	-1.290634E-04	-1.321040E-05	4.174026E-07	-1.132459E-06
C10	-2.192748E-05	1.079717E-05	7.782745E-08	-1.046547E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature